

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Previously Amended) A method for preparing a beverage or a liquid foodstuff from a capsule containing a product with a substance to be extracted, the capsule comprising a substantially stiff container and a flexible membrane closing an open side of the container, the membrane being capable of significant elastic or permanent deformation, the method including the steps of
 - providing an injection head including a perforating surface having a shape which is convex when viewed from the outside, and provided with a plurality of perforating spikes distributed over the perforating surface, having a tapered and smooth shape without any sharp edges, and at least one water supply channel for supplying water onto the perforating surface,
 - perforating a plurality of smooth holes distributed over the flexible membrane by means of said injection head, said perforating surface thereby urging the flexible membrane against the product inside the capsule or applying a tensile force to the membrane and
 - injecting water onto the flexible membrane in such a manner that the membrane deforms in the direction of the product contained inside the capsule and in that the water penetrates into the capsule via the smooth holes without the smooth holes tearing.
5. (Cancelled)

6. (Cancelled)

7. (Previously Amended) A method according to claim 4, wherein the size of the holes perforated by the perforating spikes is controlled, inter alia, by the level to which the capsule is filled or by the compactness of the product inside the capsule, so as to influence the hydraulic pressure differential ΔP between the two sides of the flexible membrane in such a manner as to obtain an automatic adjustment of the compression of the product contained in the capsule.

8. (Currently Amended) A device for preparing a beverage or a liquid foodstuff from a capsule containing a product with a substance to be extracted, wherein the device includes an injection head comprising a perforating surface having a shape which is substantially curved and convex, when viewed from outside, provided with a plurality of perforating spikes distributed over the perforating surface and at least one water supply channel arranged to supply water onto the perforating surface, the perforating spikes having a smooth tapered shape without sharp edges and an average cone angle less than 60° , including a body or a capsule carrier comprising a bottom wall, an intermediate bottom wall in the form of a filtering wall having a plurality of perforating spikes and outflow orifices, and a lower cavity portion arranged between the filtering wall and the bottom wall, wherein the bottom wall comprises an outflow channel surrounded by lips which protrude upwards with respect to the lowest point of the lower cavity portion.

9. (Original) A device according to claim 8, wherein the perforating spikes have substantially the shape of cones with substantially straight line generators.

10. (Cancelled)

11. (Cancelled)

12. (Cancelled).

13. (Cancelled).

14. (Cancelled).

15. (Cancelled).

16. (Cancelled).

17. (Cancelled).

18. (Previously Amended) A method according to claim 4, comprising the step of providing a capsule comprising a shell which is substantially rigid and which comprises a side wall and a bottom wall to form the container in which the product is contained, the shell further comprising an annular flange section extending substantially in a radial plane R, whereby the flexible membrane is bonded or welded to the annular flange section, and the said flange section and a welded portion of the flexible membrane being held between an annular seal on the injection head and an upper flange section of the capsule carrier.

19. (Previously Amended) A method according to claim 18, further comprising providing a capsule shell and membrane comprising polypropylene.

20. (Previously Amended) A method according to claim 18, further comprising providing a flexible membrane made from a sheet comprised of at least five layers.

21. (Previously Amended) A method according to claim 18, further comprising providing a flexible membrane having a shape, which is substantially planar, before the use of the capsule.

22. (Previously Amended) A method according to claim 18, further comprising providing a side wall of the shell of the capsule having a substantially conical shape, whereby the diameter of the cone decreases from the annular flange section in the direction of the bottom wall.

23. (Currently Amended) A device for preparing a beverage or a liquid foodstuff from a capsule containing a product with a substance to be extracted, wherein the device includes an injection head comprising a perforating surface having a shape which is substantially curved

and convex, when viewed from outside, provided with a plurality of perforating spikes distributed over the perforating surface and at least one water supply channel arranged to supply water onto the perforating surface, the perforating spikes having a smooth tapered shape without sharp edges and an average cone angle less than 60°. ~~A device according to claim 8,~~ wherein the capsule comprises a shell which is substantially rigid and which comprises a side wall and a bottom wall to form the container in which the product is contained, the shell further comprising an annular flange section extending substantially in a radial plane R, whereby the flexible membrane is bonded or welded to the annular flange section, the flexible membrane and the shell being made from one or several polymers and the flexible membrane being made from a multiple layer sheet.

24. (Previously Amended) A device according to claim 23, wherein the shell and the membrane comprise polypropylene.

25. (Previously Amended) A device according to claim 23, wherein the flexible membrane is made from a sheet comprised of at least five layers.

26. (Previously Amended) A device according to claim 23, wherein the flexible membrane has a shape, which is substantially planar, before the use of the capsule.

27. (Previously Amended) A device according to claim 23, wherein the side wall of the shell of the capsule is substantially conical, whereby the diameter of the cone decreases from the annular flange section in the direction of the bottom wall.

28. (Currently Amended) A device according to claim 8 23, wherein the perforating spikes have an average cone angle between 30° and 50°.